

FOREST RESEARCH NOTES



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NORTHEASTERN FOREST EXPERIMENT STATION

Upper Darby, Pennsylvania

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Hardwood Log Grading

Scale Stick Improved

In February 1952 the Northeastern Forest Experiment Station described (Research Note 13) a new log-grading scale stick developed by the Station for use as a visual aid in grading hardwood factory logs. It was based on the U. S. Forest Products Laboratory's log-grade specifications.

About the same time, working independently, personnel of the Southeastern Forest Experiment Station developed a similar scale stick for the same use.

By combining the best features of the two sticks, personnel of the two experiment stations have worked together to produce a single improved stick. Other useful information has been added. The improved stick has been approved for use by both experiment stations and by the Forest Products Laboratory.

In its final form the stick has a graphic outline of the log-grading system on one side. On the other side, any conventional log rule can be used. Merritt hypsometer readings have been printed on one edge, and Biltmore stick readings on the other edge. The Biltmore stick readings have been adjusted to make allowance for the width of the stick.

A table of absolute sweep allowances (by the more common diameter and log-length classes) has been added at one end of the grading side of the stick. The addition of this information increases the value of the stick as a cruising aid.

For use in timber cruising, the stick could be modified further by substituting a composite tree-volume table on the reverse side instead of the log rule.

Detailed full-scale plans of this log-grading aid can be obtained from the Northeastern Forest Experiment Station, 102 Motors Avenue, Upper Darby, Pa.; or the Southeastern

Forest Experiment Station, 223 Federal Building, P. O. Box
2570, Asheville, N. C.

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